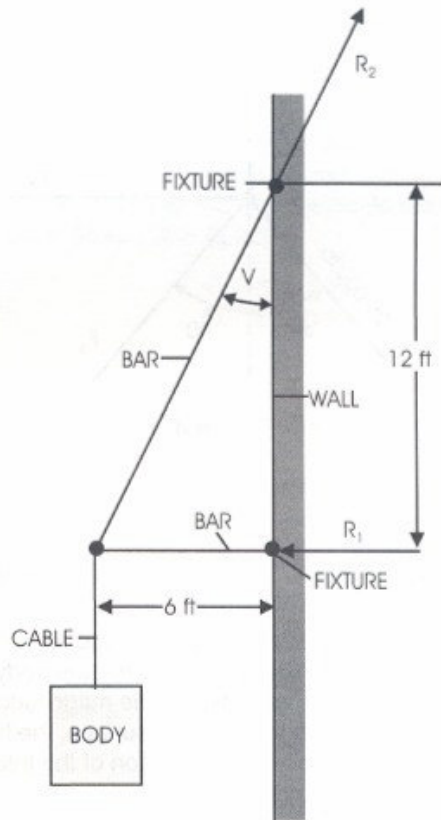


4. In Examination Figure 3 are given the dimensions of the parts of a bracket that supports a body with the aid of a vertical cable. The bracket is composed of a horizontal bar and an inclined bar, and these bars are rigidly fastened to the wall of the building by means of upper and lower fixtures. The weight of the body is 3000 lb, and the weights of the cable and the bars may be neglected. The magnitude of the reaction R_1 exerted by the lower fixture on the horizontal bar is

- A. 1500 lb.
- B. 2100 lb.
- C. 2700 lb.
- D. 3350 lb.



Examination Figure 3